

# ABSTRACT

A base station is in a spread spectrum code division multiple access (CDMA) communication system with co-exists with a diverse system of existing users. The diverse system selectively utilizes various frequencies within a selected range of frequencies. The base station generates a plurality of spread spectrum CDMA data signals using pseudo random chip code sequences. The spread data signals encompass the selected range. The base station notch filters the spread data signals at frequencies within the selected range used by the diverse system. The notch filtered spread data signals are transmitted in CDMA cellular radio communications.